



Westside Christian Academy Water Sampling Lead Analysis Report

1. INTRODUCTION

1.1. GENERAL

This report presents the results of our water sampling performed at the site of Westside Christian Academy, 9540 Bramell, Detroit MI., on July 18th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Christina Merrill on July 14th 2016.

2. SITE INVESTIGATIONS

2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

2.2 LABORATORY TESTING

2.2.1. General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



GS GROUP LLC
Green S.P.A.C.E.S Protect Our Earth

Results of the tests indicate that the water is above the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

3. DISCUSSIONS AND RECOMMENDATIONS

3.1. DISCUSSIONS OF FINDINGS

The water results are above the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters
Field Scientist

Monica Starks, CIEC
Principal

Council-certified Indoor Environmental
Consultant Board-awarded by the
American Council for Accredited
Certification



Appendix 1, Lab Results, Chain of Custody



GS GROUP LLC

Green S.P.A.C.E.S Protect Our Earth

APPENDIX 1
Laboratory Results and Chain of Custody

17800 Woodward Ave Suite 200
Detroit, MI 48203

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358686****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-CBF-01-P
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	0.018*	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358687****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-CBF-01-F
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	0.003	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358684****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-CWF-02-P
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	0.001	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358685****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-CWF-02-F
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	0.001	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358682****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-WF-03-P
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	0.002	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358683****8/10/2016****Customer:** G. S. Group
Monica Starks
17800 Woodward Ave #200
Detroit, MI 48203**Source:** Westside Christian Academy, S-01-WF-03-F
Source City: Detroit
Source State: MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

Report Notes:

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/18/2016 06:40		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.



National Testing
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784

Order Date: 05/20/2016

Sample Number:

358686



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:46 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Westside Christian Academy

Address: 9540 Brawley

Phone Number: 313-255-5760

Fax Number: 313-255-5760

PWS ID# (if applicable): N/A

Sample ID or Source: S-01-CBF-01-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi.

(If Different than Above)

Sample Collected By: [Signature]

(Signature)

Sample Collected By: Michael Bittus

(Please Print)

Form Completed By: Michael Bittus

Additional Comments:

The location sampled is a School, this is Sample #1,
First draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

National Testing
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784

Order Date: 05/20/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

358687



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:46

Please Use Military Time, e.g. 3:00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name:

Westside Christian Academy

Address:

9540 Brannell

Phone Number:

313-255-5760

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-CBF-01-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State:

Detroit, Mi

(If Different than Above)

Sample Collected By:

Michael Ebers

(Signature)

Sample Collected By:

Michael Ebers

(Please Print)

Form Completed By:

Michael Ebers

Additional Comments:

The location sampled is a school, this is sample #1, flush sample.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

National Testing
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784

358684

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:48 Please Use Military Time, e.g 3 00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Westside Christian Academy

Address: 9540 Brance II

Phone Number: 313-253-5760

PWS ID# (if applicable):

N/A

Sample ID or Source: 501-CWF-02-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi.

(If Different than Above)

Sample Collected By: [Signature]

(Signature)

Sample Collected By: Michael Eilers

(Please Print)

Form Completed By: Michael Eilers

Additional Comments:

The location sampled is a school, This is Sample # 2, First draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

National Testing
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784

Order Date: 05/20/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

358685



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:40

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Westside Christian Academy

Address: 9540 Bramell

Phone Number: 313-251-5760

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-CWF-02-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, MI

(If Different than Above)

Sample Collected By:

[Signature]

(Signature)

Sample Collected By:

Michael Ethers

(Please Print)

Form Completed By:

Michael Ethers

Additional Comments:

The location sampled is a school, this is sample #12, Flush sample

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: *BF*

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

National Testing
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784

358682

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:46 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Westside Christian Academy

Address: 9540 Bramhall

Phone Number: 313-251-5760

PWS ID# (if applicable): 2/A

Sample ID or Source: S-01-WF-03-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, MI
(If Different than Above)

Sample Collected By: [Signature]
(Signature)

Sample Collected By: Michael Effers
(Please Print)

Form Completed By: Michael Effers

Additional Comments:

The location sampled is a School. This is Sample #3, First draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: _____

Check #: _____

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing
Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077784 358683

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/18/16

Time Sampled: 6:40
Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name:

Westside Christian Academy

Address:

9540 Brance II

Fax Number: 313-251-5760

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-WF-03-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface
☐ Other:

City & State:

Detroit, Mi

(If Different than Above)

Sample Collected By:

Michael Ethers

(Signature)

Sample Collected By:

Michael Ethers

(Please Print)

Form Completed By:

Michael Ethers

Additional Comments:

The location sampled is a school, this is sample # 3, flush sample.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS